

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

### Homework 79-Properties of Quadrilaterals/Parallelograms

Directions: Match the description with all the terms that fit it.

- |              |                       |                  |                       |
|--------------|-----------------------|------------------|-----------------------|
| a. Trapezoid | b. Isosceles triangle | c. Parallelogram | d. Rhombus            |
| e. Kite      | f. Rectangle          | g. Square        | h. All quadrilaterals |

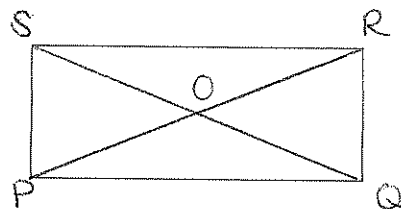
1. \_\_\_\_\_ Diagonals bisect each other.
2. \_\_\_\_\_ Diagonals are congruent.
3. \_\_\_\_\_ Opposite sides are congruent.
4. \_\_\_\_\_ Both diagonals bisect angles.
5. \_\_\_\_\_ Diagonals are perpendicular.
6. \_\_\_\_\_ Measure of interior angles sum to  $360^\circ$
7. \_\_\_\_\_ Opposite angles are congruent.
8. \_\_\_\_\_ Diagonals are perpendicular bisector of each other.

9. PQRS is a rectangle and  $OS = 16$ .

$OQ =$

$m\angle QRS =$

$PR =$

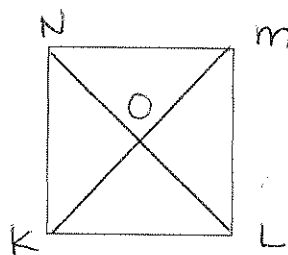


10. KLMN is a square and  $NM = 8$ .

$m\angle OKL =$

$m\angle MOL =$

Perimeter KLMN =

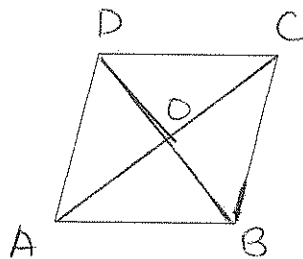


11. ABCD is a rhombus,  $AD = 11$ , and  $DO = 6$

$OB =$

$BC =$

$m\angle AOD =$



12. State whether each statement is always true, sometimes true, or never true.

- a. A rhombus is a square.
- b. A square is a rectangle.
- c. Diagonals of a rectangle bisect each other.
- d. A trapezoid is a parallelogram.